



07/14/97

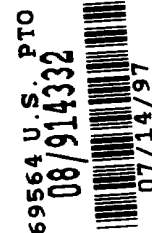
Jc976 U.S. PTO

FISH RICHARDSON P.C.

Ferrick P. Fish
1855-1930W.K. Richardson
1859-1951225 Franklin Street
Boston, Massachusetts
02110-2804Telephone
617 542-5070Facsimile
617 542-8906

July 14, 1997

Attorney Docket No.: 04599/005001

BOX PATENT APPLICATION
Assistant Commissioner of Patents
Washington, DC 2023169564 U.S. PTO
08/914332

07/14/97

Presented for filing is a new original patent application of:

Applicant: SCOTT W. VAN ARSDELL, R. ROGERS YOCUM,
JOHN B. PERKINS, and JANICE G. PERO
Title : OVERCOMING DAPA AMINOTRANSFERASE
BOTTLENECKS IN BIOTIN VITAMERS BIOSYNTHESISEnclosed are the following papers, including all those required for a filing date
under 37 CFR §1.53(b):

Pages of Specification	24
Pages of Claims	4
Pages of Abstract	1
Signed Declaration	[To Be Filed At A Later Date]
Sheets of Drawing	4

Basic filing fee	770.00
Total claims in excess of 20 times \$22.00	1540.00
Independent claims in excess of 3 times \$80.00	320.00
Multiple dependent claims	260.00
Total filing fee:	\$ 2890.00

"EXPRESS MAIL" Mailing Label Number EM539114153105

Date of Deposit July 14, 1997
I hereby certify under 37 CFR 1.10 that this correspondence is being
deposited with the United States Postal Service as "Express Mail
Post Office To Addressee" with sufficient postage on the date
indicated above and is addressed to the Assistant Commissioner for
Patents, Washington, D.C. 20231.Lisa G. Gray
Lisa G. Gray

FISH & [REDACTED] CHARDSON P.C.

July 14, 1997

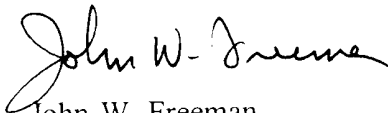
Page 2

A check for the filing fee is enclosed. Please charge any other required fees, or apply any credits, to Deposit Account No. 06-1050, referencing the Attorney Docket number shown above.

If this application is found to be INCOMPLETE, or if it appears that a telephone conference would helpfully advance prosecution, please telephone the undersigned at 617/542-5070.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Respectfully submitted,



John W. Freeman
Reg. No. 29,066